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JAMECO® ELECTRONICS

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P SERIES POWER SUPPLY

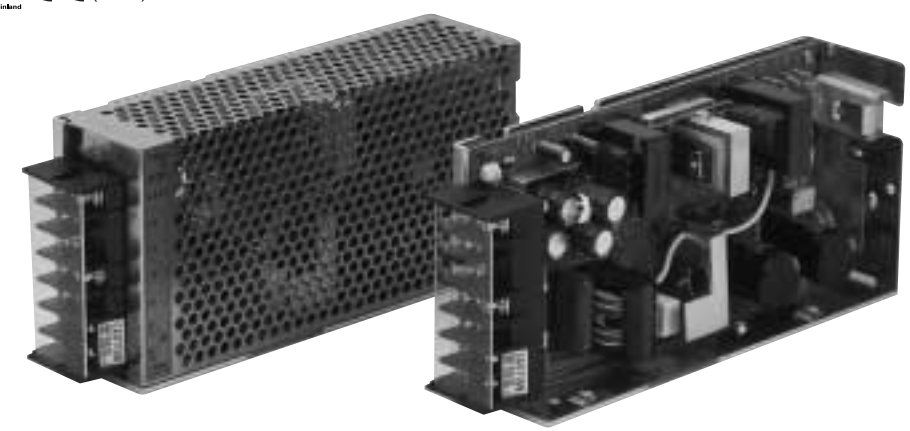
P100

Jameco Part Number 203537

COSEL

P

(LVD)



- Small size
- User selectable input voltage
  (AC 85~132V/AC 170~264V)
- Built-in inrush current, overcurrent and overvoltage protection circuits
- UL recognized,TÜV approved,CSA certified
- Three-year warranty

■ ORDERING INFORMATION

P100E-5-□

- Optional:Ex. With cover:N
- Output voltage
- UL recognized,TÜV approved,CSA certified:E
- Output wattage
- Series name

SPECIFICATIONS

★ marked models are pending for safety approvals. Consult with us for delivery.

	MODEL	P100-5	★ P100-9	P100-12	P100-15	★ P100-18	P100-24	★P100-30	★ P100-48
INPUT	VOLTAGE/ CURRENT	AC85~132V/170~264V 1φ User select DC220~370V			/ 2.2A typ (ACIN 100V,Io =100%) 1.2A typ (ACIN 200V,Io =100%) ※1				
	FREQUENCY	47~440Hz							
	INRUSH CURRENT	15A typ (ACIN 100V) 30A typ (ACIN 200V) (Io =100 %)							
	EFFICIENCY	78%typ	78%typ	80%typ	82%typ	82%typ	84%typ	78%typ	84%typ
OUTPUT	VOLTAGE [V]	5	9	12	15	18	24	30	48
	CURRENT [A]	20	11.2	8.5	7	5.6	4.5	3.3	2.1
	OUTPUT WATTAGE [W]	100	100.8	102	105	100.8	108	99	100.8
	LINE REGULATION [mV]	20max	36max	48max	60max	72max	96max	120max	192max
	LOAD REGULATION [mV]	40max	72max	100max	120max	150max	150max	180max	384max
	RIPPLE [mVp-p]※2	80max	120max	120max	120max	120max	120max	120max	150max
	RIPPLE NOISE [mVp-p]※2	120max	150max	150max	150max	250max	150max	150max	250max
	TEMPERATURE REGULATION [mV] 0~50°C	50max	90max	120max	150max	180max	240max	300max	480max
	OUTPUT VOLTAGE ADJUSTMENT RANGE	±10%							
	START-UP TIME [ms]	200max (ACIN 85V, Io=100%)							
	HOLD-UP TIME [ms]	15typ (ACIN 85V, Io=100%) 25typ (ACIN 100V, Io =100 %)							
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically.							
	OVERVOLTAGE PROTECTION	Works at 115~140% of rating							
ISOLATION	INPUT-OUTPUT	AC3,000V,1minute, DC500V,50MΩmin (At Room Temperature)							
	INPUT-FG	AC2,000V,1minute, DC500V,50MΩmin (At Room Temperature)							
	OUTPUT-FG	AC 500V,1minute, DC500V,50MΩmin (At Room Temperature)							
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-10~+65℃,30~90%RH (Non condensing) (Refer to DERATING CURVE) , 3,000m (10,000feet) max							
	STORAGE TEMP., HUMID. AND ALTITUDE	-20~+75℃,20~90%RH (Non condensing) , 9,000m (30,000feet) max							
	VIBRATION	10~55Hz, 19.6m/s² (2G), 3 minutes period, 30 minutes along X, Y and Z axis							
	IMPACT	196.1m/s² (20G), 11ms, once each X, Y and Z axis							
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS	UL 1950, EN60950 , VDE0160, CSA C22.2 No.234 Complies with DENTORI and IEC60950							
	CONDUCTED NOISE	Complies with FCC-A							

※1 The input current of the agency approved unit is indicated as 2.5A (ACIN100V) or 1.5A (ACIN200V).
※2 According to 15MHz ossiloscope or Ripple-Noise meter (equivallent to KEISOKU-GIKEN : RM101).
※ Derating is required when operated with case cover.
※ Parallel operation with other model is not possible.